

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A NATIONAL STAGE FILING UNDER 35 U.S.C. § 371</b>		ATTORNEY'S DOCKET NUMBER 6395-66741-06
		U.S. APPLICATION NO. (if known, see 37 C.F.R. § 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/535523</div>
INTERNATIONAL APPLICATION NO. PCT/US2003/037143	INTERNATIONAL FILING DATE 18 November 2003	PRIORITY DATE CLAIMED 18 November 2002
TITLE OF INVENTION <b>CELL LINES AND HOST NUCLEIC ACID SEQUENCES RELATED TO INFECTIOUS DISEASE</b>		
APPLICANT(S) FOR DO/EO/US <b>Thomas W. Hodge, Natalie J. Morey, Michael W. Shaw, Donald Rubin, and Anthony Sanchez</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. § 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. § 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. § 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1). Items 5, 6, 9 and 21 indicated below are submitted to make this express request.</li> <li>4. <input checked="" type="checkbox"/> The United States has been elected in a Demand for International Preliminary Examination (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. § 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English-language translation of the International Application (35 U.S.C. § 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau to the United States Receiving Office).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English-language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. § 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English-language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).</li> </ol>		
<b>Items 11 to 21 below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$40.00 are included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. §§ 1.821 - 1.825. Sequence Listing on CD-ROM [IBM PC Compatible; Windows XP; Disk Contents: "seq listing.app"; (452 KB/462,908 bytes); Date Created: 5/13/2005]; sequence listing on diskette, and a Statement in Compliance.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. § 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English-language translation of the international application under 35 U.S.C. § 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information:           <div style="margin-left: 20px;"> <input checked="" type="checkbox"/> Abstract on a separate page.  <input type="checkbox"/> Written Opinion.  <input type="checkbox"/> Preliminary Examination Report.  <input type="checkbox"/> International Search Report.  <input checked="" type="checkbox"/> Copies of References Cited.           </div> </li> </ol>		

U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.51) <b>10/535523</b>				INTERNATIONAL APPLICATION NO. <b>PCT/US2003/037143</b>		ATTORNEY'S DOCKET NUMBER <b>6395-66741-06</b>	
The following fees are submitted:							
21. <input checked="" type="checkbox"/> Basic national fee .....				\$	300.00		
22. <input checked="" type="checkbox"/> Examination fee If international preliminary examination report prepared by USPTO and all claims satisfy novelty, nonobviousness (inventive step) and utility (industrial applicability) i.e., provisions of PCT Article 33(1)-(4) .....				\$	200.00		
33(1)-(4) .....							
All other situations .....							
23. <input checked="" type="checkbox"/> Search fee Search fee (37 C.F.R. 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....				\$	100.00		
International Search Report prepared and provided to the Office .....							
All other situations .....							
<b>TOTAL OF 21, 22, and 23 =</b>				<b>\$</b>	<b>600.00</b>		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE				
95 - 100	0 / 50 =	0	x \$250	\$	0.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(e)).				\$			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE				
Total claims	57 - 20 =	37	x \$50.00	\$	1,850.00		
Independent Claims	10 - 3 =	7	x \$200.00	\$	1,400.00		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	0.00		
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$</b>	<b>3,850.00</b>		
<input type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application.				\$	0.00		
<b>SUBTOTAL =</b>				<b>\$</b>	<b>3,850.00</b>		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)).				\$	0.00		
<b>TOTAL NATIONAL FEE =</b>				<b>\$</b>	<b>3,850.00</b>		
Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property.				\$	0.00		
<b>TOTAL FEES ENCLOSED =</b>				<b>\$</b>	<b>3,850.00</b>		
				Amount to be refunded	\$		
				Amount to be charged	\$		
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <b>3,850.00</b> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. <b>02-4550</b>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Please return the enclosed postcard to confirm that the items listed above have been received.</p>							
<p><b>NOTE:</b> Where an appropriate time limit under 37 C.F.R. § 1.494 or § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>							
SEND ALL CORRESPONDENCE TO THE ADDRESS ASSOCIATED WITH				SIGNATURE			
<b>CUSTOMER NUMBER 46135</b>				Sheree Lynn Rybak, Ph.D.			
KLARQUIST SPARKMAN, LLP One World Trade Center, Suite 1600 121 S.W. Salmon Street Portland, OR 97204-2988				NAME			
				47,913			
				REGISTRATION NUMBER			